

Name _____ Date _____ Per _____ # _____

Density Quiz – Retake or Make up

QUIZ SCORE = _____ / 20

Self-Graded FEELING REALLY DENSE SCORE : LETTER=_____POINTS = _____/20

TOTAL SCORE = _____/40

NOTE: I have the right to change your Feeling Dense Score if needed.

You can use your journal only:

PARENT SIGNATURE showing EXAM was SUPERVISED _____

DATE _____ **PARENT PHONE #** _____

- Volume is:
 - The amount of space on the surface of an object
 - The amount of space a 3-dimensional object takes up
 - Only rectangular
 - All of the above
- The instrument used to calculate volume of an irregular shaped object MOST accurately is a:
 - balance
 - graduated cylinder
 - thermometer
 - pipette
 - beaker
- Density is:
 - The amount of space an object takes up
 - The mass of an object that is 1 cubic centimeter(cm^3) in volume
 - The surface area
 - None of the above
- Circle the **two** pieces of information you need to calculate Density
 - Mass
 - Temperature
 - Length
 - Volume
- Typical units for density are:
 - g/cm^3
 - g/m
 - cc/liter
 - ml/liter

6. Alcohol has a density of 0.79 g/cm^3 and glycerin has a density of 1.3 g/cm^3 . Explain what will happen when the two substances are put together.
- The alcohol will float and the glycerin will sink
 - The alcohol will sink and the glycerin will float
 - The one put in first will stay on the bottom
 - Non of the above
7. You take a block of wood that has a length of 10.5cm by 2.0cm by 3.0cm. You put it on a balance and it has a mass of 20.3 grams. What is its density?
- 0.7 g/cm^3
 - 0.8 g/cm^3
 - 0.3 g/cm^3
 - 3.1 g/cm^3
8. You fill a graduated cylinder with water to 30ml. You add BB's to the water until the water level reads 40ml. The mass of the BB's you put in the graduated cylinder is 90 grams. What is their density?
- 8.4 g/cm^3
 - 9.0 g/cm^3
 - 0.4 g/cm^3
 - 3.0 g/cm^3
9. A newly designed deep water-fishing lure has been designed to function at 30 meters below the water surface (fresh water). It has a mass of 2.0 grams and a volume of 2.3 ml. What is the density?
- 1.2 g/cm^3
 - 0.9 g/cm^3
 - 3.2 g/cm^3
 - 2.2 g/cm^3
10. What is the problem with the newly designed fishing lure described in question 9 (Give data to support your answer).

**STAPLE THIS to The TOP OF YOUR FEELING REALLY DENSE
BE sure you GRADE your FEELING REALLY DENSE and PUT SCORE
ON the FRONT of the THIS LAB**